COLORIMETER WITH SINGLE CABLE LOW IMPACT MOUNTING SYSTEM

ABSTRACT OF THE DISCLOSURE

[0078] A colorimeter that uses its flexible power/electronic cable as a mounting mechanism is disclosed. The colorimeter can be placed against a target screen, suspended by the cable, where the cable in turn drapes over the top of the display cabinet. A slidable weight can be coupled to the cable to hold a selected position. Alternatively, a slotted suction cup can be used to hold the selected position. A leaf spring can be installed to provide a slight bias force to the backside of the colorimeter, thereby ensuring the colorimeter lays flush to the target screen in the presence of disruptive conditions and anomalies. The colorimeter can further be configured with a low impact suction cup array mount. The colorimeter assembly can be configured with an FOV that corresponds to that of a human, and with self-aligning optical qualities that provide a colorimeter with high SNR.